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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	4	MAY 10	CA/CAPplus enhanced with 1900-1906 U.S. patent records
NEWS	5	MAY 11	KOREAPAT updates resume
NEWS	6	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	7	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPplus and USPATFULL/USPAT2
NEWS	8	MAY 30	The F-Term thesaurus is now available in CA/CAPplus
NEWS	9	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS	10	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS	11	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS	12	JUL 11	CHEMSAFE reloaded and enhanced
NEWS	13	JUL 14	FSTA enhanced with Japanese patents
NEWS	14	JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	15	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	16	AUG 28	ADISCTI Reloaded and Enhanced
NEWS	17	AUG 30	CA(SM)/CAPplus(SM) Austrian patent law changes
NEWS	18	SEP 11	CA/CAPplus enhanced with more pre-1907 records
NEWS	19	SEP 21	CA/CAPplus fields enhanced with simultaneous left and right truncation
NEWS EXPRESS		JUNE 30	CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
NEWS HOURS			STN Operating Hours Plus Help Desk Availability
NEWS LOGIN			Welcome Banner and News Items
NEWS IPC8			For general information regarding STN implementation of IPC 8
NEWS X25			X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 11:01:19 ON 21 SEP 2006

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

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STRUCTURE FILE UPDATES: 20 SEP 2006 HIGHEST RN 908067-83-4  
 DICTIONARY FILE UPDATES: 20 SEP 2006 HIGHEST RN 908067-83-4

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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 predicted properties as well as tags indicating availability of  
 experimental property data in the original document. For information  
 on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s MAGVGCCA/sqsp  
 L1 10 MAGVGCCA/SQSP

=> file caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	28.89	29.10

FILE 'CAPLUS' ENTERED AT 11:02:09 ON 21 SEP 2006  
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FILE COVERS 1907 - 21 Sep 2006 VOL 145 ISS 13  
 FILE LAST UPDATED: 20 Sep 2006 (20060920/ED)

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=> s 11/thu

6 L1  
813486 THU/RL  
L2 0 L1/THU  
(L1 (L) THU/RL)

=> s 11

L3 6 L1

=> d ibib 1-6

L3 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2005:1205848 CAPLUS

Correction of: 2005:951102

DOCUMENT NUMBER: 143:417062

Correction of: 143:300090

TITLE: Antisense transcription in the mammalian transcriptome

AUTHOR(S): Katayama, S.; Tomanu, Y.; Kasukawa, T.; Waki, K.;  
Nakanishi, M.; Nakamura, M.; Nishida, H.; Yap, C. C.;  
Suzuki, M.; Kawai, J.; Suzuki, H.; Carninci, P.;  
Hayashizaki, Y.; Wells, C.; Frith, M.; Ravasi, T.;  
Pang, K. C.; Hallinan, J.; Mattick, J.; Hume, D. A.;  
Lipovich, L.; Batalov, S.; Engstroem, P. G.; Nizuno,  
Y.; Faghihi, M. A.; Sandelin, A.; Chalk, A. M.;  
Mottagui-Tabar, S.; Liang, Z.; Lenhard, B.;  
Wahlestedt, C.

CORPORATE SOURCE: RIKEN Genome Exploration Research Group, Lab. Genome  
Explor. Res. Group, RIKEN Genomic Sci. Cent., RIKEN  
Yokohama Inst., Yokohama, 230-0045, Japan; Genome  
Science Group; FANTOM Consortium

SOURCE: Science (Washington, DC, United States) (2005),  
309(5740), 1564-1566

CODEN: SCIEAS; ISSN: 0036-8075

PUBLISHER: American Association for the Advancement of Science

DOCUMENT TYPE: Journal

LANGUAGE: English

L3 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:979659 CAPLUS

DOCUMENT NUMBER: 142:18207

TITLE: The status, quality, and expansion of the NIH  
full-length cDNA project: The mammalian gene  
collection (MGC)

AUTHOR(S): Gerhard, Daniela S.; Wagner, Lukas; Feingold, Elise  
A.; Shenmen, Carolyn M.; Grouse, Lynette H.; Schuler,  
Greg; Klein, Steven L.; Old, Susan; Rasooly, Rebekah;  
Good, Peter; Guyer, Mark; Peck, Allicon M.; Derge,  
Jeffery G.; Lipman, David; Collins, Francis S.

CORPORATE SOURCE: The MGC Project Team, NIH, USA

SOURCE: Genome Research (2004), 14(10b), 2121-2127

CODEN: GEREFS; ISSN: 1088-9051

PUBLISHER: Cold Spring Harbor Laboratory Press

DOCUMENT TYPE: Journal

LANGUAGE: English

L3 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2004:905602 CAPLUS

DOCUMENT NUMBER: 141:362389

TITLE: Human protein Spi2A for the inhibition of cathepsins,  
and therapeutic use

INVENTOR(S): Ashton-Rickardt, Philip

PATENT ASSIGNEE(S): The University of Chicago, USA

SOURCE: U.S. Pat. Appl. Publ., 80 pp.  
 CODEN: USXXCO  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2004214773	A1	20041028	US 2004-782401	20040219
CA 2514395	AA	20050728	CA 2004-2514395	20040219
WO 2005067958	A2	20050728	WO 2004-US4954	20040219
WO 2005067958	A3	20050915		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2004311370	A1	20050915	AU 2004-311370	20040219
EP 1594532	A2	20051116	EP 2004-821117	20040219
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
PRIORITY APPLN. INFO.:			US 2003-448285P	P 20030219
			WO 2004-US4954	W 20040219

L3 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1997:15306 CAPLUS  
 DOCUMENT NUMBER: 126:115041  
 TITLE: Identification of a serpin specifically expressed in multipotent and bipotent hematopoietic progenitor cells and in activated T cells  
 AUTHOR(S): Hampson, I. N.; Hampson, L.; Pinkoski, M.; Cross, M.; Heyworth, C. M.; Bleackley, R. C.; Atkinson, E.; Dexter, T. M.  
 CORPORATE SOURCE: CRC Dep. of Experimental Haematology, Paterson Inst. of Cancer Research, Manchester, UK  
 SOURCE: Blood (1997), 89(1), 108-118  
 CODEN: BLOOAW; ISSN: 0006-4971  
 PUBLISHER: Saunders  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1993:18441 CAPLUS  
 DOCUMENT NUMBER: 118:18441  
 TITLE: Isolation of two cDNAs encoding novel  $\alpha$ -antichymotrypsin-like proteins in a murine chondrocytic cell line  
 AUTHOR(S): Inglis, John D.; Lee, Muriel; Davidson, Duncan R.; Hill, Robert E.  
 CORPORATE SOURCE: MRC Hum. Gent. Unit, West. Gen. Hosp., Edinburgh, EH4 2XU, UK  
 SOURCE: Gené (1991), 106(2), 213-20  
 CODEN: GENED6; ISSN: 0378-1119  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

L3 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1991:222555 CAPLUS  
 DOCUMENT NUMBER: 114:222555  
 TITLE: The murine Spi-2 proteinase inhibitor locus: a  
 multigene family with a hypervariable reactive site  
 domain  
 AUTHOR(S): Inglis, John D.; Hill, Robert E.  
 CORPORATE SOURCE: MRC Hum. Genet. Unit, West. Gen. Hosp., Edinburgh, EH4  
 2XU, UK  
 SOURCE: EMBO Journal (1991), 10(2), 255-61  
 CODEN: EMJODG; ISSN: 0261-4189  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

=> d ibib abs 4

L3 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN  
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 AUTHOR(S): Hampson, I. N.; Hampson, L.; Pinkoski, M.; Cross, M.;  
 Heyworth, C. M.; Bleackley, R. C.; Atkinson, E.;  
 Dexter, T. M.  
 CORPORATE SOURCE: CRC Dep. of Experimental Haematology, Paterson Inst.  
 of Cancer Research, Manchester, UK  
 SOURCE: Blood (1997), 89(1), 108-118  
 CODEN: BLOOAW; ISSN: 0006-4971  
 PUBLISHER: Saunders  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB We have identified a gene that has a high level of mRNA expression in  
 undifferentiated, multipotential hematopoietic cells (FDCP-Mix) and that  
 downregulates both transcript and protein, as these cells are induced to  
 differentiate into mature myeloid cells. Sequence anal. of this gene has  
 identified it as a serine protease inhibitor EB22/3 (serpin 2A).  
 Constitutive expression of serpin 2A in FDCP-Mix cells was associated with an  
 increase in the clonogenic potential of the cells and with a delay in the  
 appearance of fully mature cells in cultures undergoing granulocyte  
 macrophage differentiation when compared with control cells. Serpin 2A  
 was also found to be expressed in bone marrow-derived bipotent granulocyte  
 macrophage progenitor cells (GM-colony forming cell [CFC]), but not in  
 erythrocyte progenitor cells from day 15 fetal liver. Expression of  
 serpin 2A also showed a marked up regulation during the activation of  
 cytotoxic suppressor CD8+ T cells, with a clear lag between the appearance  
 of transcript and detection of protein.  
 REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS  
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STN INTERNATIONAL LOGOFF AT 11:04:08 ON 21 SEP 2006

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NEWS 14 JUL 19	Coverage of Research Disclosure reinstated in DWPI
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NEWS 18 SEP 11	CA/CAPLUS enhanced with more pre-1907 records
NEWS 19 SEP 21	CA/CAPLUS fields enhanced with simultaneous left and right truncation
NEWS EXPRESS	JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.
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NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:12:27 ON 21 SEP 2006

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DICTIONARY FILE UPDATES: 20 SEP 2006 HIGHEST RN 908067-83-4

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=> s vgcc/sqsl

'SQL' IS NOT A VALID FIELD CODE

L1 0 VGCC/SQSL

=> s vgcc/sqsp

L2 2415 VGCC/SQSP

=> s gccca/sqsp

L3 3545 GCCA/SQSP

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	58.66	58.87

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FILE LAST UPDATED: 20 Sep 2006 (20060920/ED)

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=> s 12/thu

1150 L2  
813486 THU/RL  
L4 215 L2/THU  
(L2 (L) THU/RL)

=> s 14 not py>2002

4360963 PY>2002  
L5 31 L4 NOT PY>2002

=> s 15 and infection

261756 INFECTION  
76137 INFECTIONS  
298734 INFECTION  
(INFECTION OR INFECTIONS)  
L6 5 L5 AND INFECTION

=> d ibib 1-5

L6 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2003:829903 CAPLUS  
DOCUMENT NUMBER: 140:176261  
TITLE: Protein and cDNA sequences of a 9.35-kilodalton human DNA methylase sequence homolog and their therapeutic uses  
INVENTOR(S): Mao, Yumin; Xie, Yi  
PATENT ASSIGNEE(S): Bode Gene Development Co., Ltd., Shanghai, Peop. Rep. China  
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 31 pp.  
CODEN: CNXXEV  
DOCUMENT TYPE: Patent  
LANGUAGE: Chinese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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CN 1382792	A	20021204	CN 2001-112730	20010426
PRIORITY APPLN. INFO.:			CN 2001-112730	20010426

L6 ANSWER 2 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2002:107387 CAPLUS  
DOCUMENT NUMBER: 136:162368  
TITLE: Protein and cDNA sequences of a novel human 12.98 kDa zinc finger-containing protein and therapeutic uses  
INVENTOR(S): Mao, Yumin; Xie, Yi



PATENT ASSIGNEE(S): Shanghai Biowindow Gene Development Inc., Peop. Rep. China  
 SOURCE: PCT Int. Appl., 40 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Chinese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002010211	A1	20020207	WO 2001-CN1106	20010629
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CN 1331218	A	20020116	CN 2000-116936	20000630
AU 2002012053	A5	20020213	AU 2002-12053	20010629
PRIORITY APPLN. INFO.:			CN 2000-116936	A 20000630
			WO 2001-CN1106	W 20010629
REFERENCE COUNT:	8	THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1999:670091 CAPLUS  
 DOCUMENT NUMBER: 131:297112  
 TITLE: Cloning, sequence, expression and therapeutic use of human DNA topoisomerase I  $\alpha$   
 INVENTOR(S): Wei, Ying-fei; Adams, Mark D.; Fleischmann, Robert D.  
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA  
 SOURCE: U.S., 27 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5968803	A	19991019	US 1998-33153	19980302
US 6255077	B1	20010703	US 1999-325430	19990604
US 2002061527	A1	20020523	US 2001-871615	20010604
PRIORITY APPLN. INFO.:			WO 1994-US5701	A2 19940518
			US 1995-458477	A3 19950602
			US 1998-33153	A3 19980302
			US 1999-325430	A3 19990604
REFERENCE COUNT:	7	THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L6 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1998:157383 CAPLUS  
 DOCUMENT NUMBER: 128:201794  
 TITLE: Cloning and expression of human DNA topoisomerase I- $\alpha$  and method for identification of antagonists and use of antagonists for therapy  
 INVENTOR(S): Wei, Ying-fei; Adams, Mark D.; Fleischmann, Robert D.  
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA  
 SOURCE: U.S., 27 pp.  
 CODEN: USXXAM

DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5723311	A	19980303	US 1995-458477	19950602
US 6255077	B1	20010703	US 1999-325430	19990604
US 2002061527	A1	20020523	US 2001-871615	20010604
PRIORITY APPLN. INFO.:			WO 1994-US5701	A2 19940518
			US 1995-458477	A3 19950602
			US 1998-33153	A3 19980302
			US 1999-325430	A3 19990604

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:679205 CAPLUS

DOCUMENT NUMBER: 127:355960

TITLE: Nucleic acid and amino acid sequences relating to Helicobacter pylori and vaccine compositions

INVENTOR(S): Smith, Douglas; Alm, Richard A.

PATENT ASSIGNEE(S): Astra AB, Swed.; Smith, Douglas; Alm, Richard A.

SOURCE: PCT Int. Appl., 1144 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9737044	A1	19971009	WO 1997-US5223	19970327
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, US, US, US, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2248985	AA	19971009	CA 1997-2248985	19970327
AU 9725984	A1	19971022	AU 1997-25984	19970327
AU 726892	B2	20001123		
ZA 9702715	A	19980625	ZA 1997-2715	19970327
EP 901530	A1	19990317	EP 1997-917731	19970327
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CN 1220703	A	19990623	CN 1997-195113	19970327
BR 9708456	A	19990803	BR 1997-8456	19970327
JP 2000501621	T2	20000215	JP 1997-529649	19970327
NZ 332565	A	20000327	NZ 1997-332565	19970327
NO 9804517	A	19981125	NO 1998-4517	19980928
PRIORITY APPLN. INFO.:			US 1996-625811	A2 19960329
			US 1996-758731	A2 19960402
			US 1996-736905	A2 19961025
			US 1996-738859	A2 19961028
			US 1996-761318	A2 19961206
			WO 1997-US5223	W 19970327

=> sel rn 3

E1 THROUGH E6 ASSIGNED



SEL RN 3

FILE 'REGISTRY' ENTERED AT 14:16:18 ON 21 SEP 2006

L7 6 S E1-E6

=> s 17 and 12

L8 2 L7 AND L2

=> s rn sql seq

3060 RN

52 RNS

3110 RN

(RN OR RNS)

2 SQL

19963 SEQ

1 SEQS

19964 SEQ

(SEQ OR SEQS)

L9 0 RN SQL SEQ

(RN(W) SQL(W) SEQ)

=> d 18 rn sql se

'SE' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

REG - RN

SAM - Index Name, MF, and structure - no RN

FIDE - All substance data, except sequence data

IDE - FIDE, but only 50 names

SQIDE - IDE, plus sequence data

SQIDE3 - Same as SQIDE, but 3-letter amino acid codes are used

SQD - Protein sequence data, includes RN

SQD3 - Same as SQD, but 3-letter amino acid codes are used

SQN - Protein sequence name information, includes RN

CALC - Table of calculated properties

EPROP - Table of experimental properties

PROP - EPROP and CALC

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

ABS -- Abstract

APPS -- Application and Priority Information

BIB -- CA Accession Number, plus Bibliographic Data

CAN -- CA Accession Number

CBIB -- CA Accession Number, plus Bibliographic Data (compressed)

IND -- Index Data

IPC -- International Patent Classification

PATS -- PI, SO

STD -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels

IBIB -- BIB, indented, with text labels

ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)

OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations  
SIBIB ----- IBIB, no citations

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.

The MAX format is the same as ALL.

The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

HELP DFIELDS -- To see a complete list of individual display fields.  
HELP FORMATS -- To see detailed descriptions of the predefined formats.  
ENTER DISPLAY FORMAT (IDE):end

=> d l8 rn sql seq

L8 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 247067-58-9 REGISTRY  
SQL 633

```
SEQ      1 IKPLKRPRDE DDVDYKPKKI KTEDTKKEKK RKLEEEEDGK LKKPKNKDKD
      51 KKVPEPDNKK KKPKEEEQK WKWWEERYP EGIKWKFLEH KGPVFAPPYE
     101 PLPENVKFYY DGKVMKLSPK AEEVATFFAK MLDHEYTTKE IFRKNFFKDW
     151 RKEMTNEEKN IITNLSKCDF TQMSQYFKAQ TEARKQMSKE EKLKIKEENE
     201 KLLKEYGFCI MDNHKERIAN FKIEPPGLFR GRGNHPKMG M LKRRIMPEDI
     251 IINCSKDAKV PSPPPGHKWK EVRHDNKVTW LVSWTENIQG SIKYIMLNPS
     301 SRIKGEKDWQ KYETARRLKK CVDKIRNQYR EDWKSKEK M V RQRAVALYFI
     351 DKLALRAGNE KEEGETADTV GCCSLRVEHI NLHPELDGQE YVVEFDLFGK
           = ===
     401 DSIRYYNKVP VEKRVFKNLQ LFMENKQPED DLFDR LNTGI LNKHLQDLME
     451 GLTAKVFRTY NASITLQQQL KELTAPDENI PAKILSYNRA NRAVAILCNH
     501 QRAPPKTFEK SMMNLQTKID AKKEQLADAR RDLKSAKADA KVMKDAKTKK
     551 VVESKKKAVQ RLEEQLMKLE VQATDREENK QIALGTSKLN YLDPRITVAW
     601 CKKWGVPIEK IYNKTQREKF AWAIDMADED YEF
```

HITS AT: 370-373

=> d l8 rn sql seq 1-2

L8 ANSWER 1 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 247067-58-9 REGISTRY  
SQL 633

```
SEQ      1 IKPLKRPRDE DDVDYKPKKI KTEDTKKEKK RKLEEEEDGK LKKPKNKDKD
      51 KKVPEPDNKK KKPKEEEQK WKWWEERYP EGIKWKFLEH KGPVFAPPYE
     101 PLPENVKFYY DGKVMKLSPK AEEVATFFAK MLDHEYTTKE IFRKNFFKDW
     151 RKEMTNEEKN IITNLSKCDF TQMSQYFKAQ TEARKQMSKE EKLKIKEENE
     201 KLLKEYGFCI MDNHKERIAN FKIEPPGLFR GRGNHPKMG M LKRRIMPEDI
     251 IINCSKDAKV PSPPPGHKWK EVRHDNKVTW LVSWTENIQG SIKYIMLNPS
     301 SRIKGEKDWQ KYETARRLKK CVDKIRNQYR EDWKSKEK M V RQRAVALYFI
     351 DKLALRAGNE KEEGETADTV GCCSLRVEHI NLHPELDGQE YVVEFDLFGK
           = ===
     401 DSIRYYNKVP VEKRVFKNLQ LFMENKQPED DLFDR LNTGI LNKHLQDLME
     451 GLTAKVFRTY NASITLQQQL KELTAPDENI PAKILSYNRA NRAVAILCNH
     501 QRAPPKTFEK SMMNLQTKID AKKEQLADAR RDLKSAKADA KVMKDAKTKK
     551 VVESKKKAVQ RLEEQLMKLE VQATDREENK QIALGTSKLN YLDPRITVAW
     601 CKKWGVPIEK IYNKTQREKF AWAIDMADED YEF
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HITS AT: 370-373

L8 ANSWER 2 OF 2 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 172929-66-7 REGISTRY

SQL 601

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SEQ      1 MRVVRLRLRL AALTLLGEVP RRPASRGVPG SRRTQKGSGA RWEKEKHEDG
      51 VKWRQLGHKG PYFAPPYEPL PDGVRFFYEG RPYRLSVP AE EVPTFYGRML
     101 DHEYTTKEVF RKNFFNDWRK EMAVEEREVI KSLDKCDFTE IHRYFVDKAA
     151 ARKVL SREEK QKLKEEA EKL QQEFGYCILD GHQEKIGNFK IEPPGLFRGR
     201 GDHPKMGMLK RRITPEDVVI NCSRDSKIPE PPAGHQWKEV RSDNTVTWLA
     251 AWTESVQNSI KYIMLNPCSK LKGETAWQKF ETARRLRGFV DEIRSQYRAD
     301 WKSREMKTRO RAVALYFIDK LALRAGNEKE DGEAADTVGC CSLRVEHVQL
                                     === =
     351 HPEADGCQHV VEFDFLGKDC IRYYNRVPVE KPVYKNLQLF MENKDPRDDL
     401 FDRLT TTTSLN KHLQELMDGL TAKVFR TYNA SITLQEQ LRA LTRAEDSIAA
     451 KILSYNRANR VVAILCNHQR ATPSTFEKSM QNLQTKIQAK KEQVAEAREAE
     501 LRRARA EHKQ QGDGKSRSVL EKKRRLLEKL QEQLAQLSVQ ATDK EENKQV
     551 ALGTSK LNYL DPRISIAWCK RFRVPVEKIY SKTQRERFAW ALAMAGEDFE
     601 F
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HITS AT: 338-341

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
32.43	103.85

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 14:18:12 ON 21 SEP 2006

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FILE COVERS 1907 - 21 Sep 2006 VOL 145 ISS 13

FILE LAST UPDATED: 20 Sep 2006 (20060920/ED)

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=> d his

(FILE 'HOME' ENTERED AT 14:12:16 ON 21 SEP 2006)

FILE 'REGISTRY' ENTERED AT 14:12:27 ON 21 SEP 2006

```
L1      0 S VGCC/SQSL
L2     2415 S VGCC/SQSP
L3     3545 S GCCA/SQSP
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FILE 'CAPLUS' ENTERED AT 14:14:50 ON 21 SEP 2006

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L4     215 S L2/THU
L5     31 S L4 NOT PY>2002
L6      5 S L5 AND INFECTION
      SEL RN 3
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FILE 'REGISTRY' ENTERED AT 14:16:18 ON 21 SEP 2006

L7 6 S E1-E6  
 L8 2 S L7 AND L2  
 L9 0 S RN SQL SEQ

FILE 'CAPLUS' ENTERED AT 14:18:12 ON 21 SEP 2006

=> d 16 3 ibib kwic

L6 ANSWER 3 OF 5 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1999:670091 CAPLUS  
 DOCUMENT NUMBER: 131:297112  
 TITLE: Cloning, sequence, expression and therapeutic use of  
 human DNA topoisomerase I  $\alpha$   
 INVENTOR(S): Wei, Ying-fei; Adams, Mark D.; Fleischmann, Robert D.  
 PATENT ASSIGNEE(S): Human Genome Sciences, Inc., USA  
 SOURCE: U.S., 27 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 3  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5968803	A	19991019	US 1998-33153	19980302
US 6255077	B1	20010703	US 1999-325430	19990604
US 2002061527	A1	20020523	US 2001-871615	20010604
PRIORITY APPLN. INFO.:			WO 1994-US5701	A2 19940518
			US 1995-458477	A3 19950602
			US 1998-33153	A3 19980302
			US 1999-325430	A3 19990604

REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS  
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

AB Disclosed is a human is a DNA topoisomerase I  $\alpha$  (hTopI- $\alpha$ )  
 polypeptide and DNA (RNA) encoding such hTopI- $\alpha$  polypeptide. Also  
 provided is a procedure for producing such polypeptide by recombinant  
 techniques and antibodies and antagonists against such polypeptide. Also  
 provided are methods of using the antibodies and antagonist inhibitors to  
 inhibit the action of hTopI- $\alpha$  for therapeutic purposes such as an  
 antitumor agent, to detect an autoimmune disease, or retroviral  
 infections and to treat adenocarcinoma of the colon. Diagnostic  
 methods for detecting mutations in the coding sequence and alterations in  
 the concentration of the polypeptides in a sample derived from a host are also  
 disclosed.

ST DNA topoisomerase I cDNA sequence; antitumor DNA topoisomerase I;  
 autoimmune disease DNA topoisomerase I; retroviral infection DNA  
 topoisomerase I

IT Retroviridae  
 (detection of retroviral infections; cloning, sequence,  
 expression and therapeutic use of human DNA topoisomerase I  $\alpha$ )

IT Infection  
 (viral, retroviral, detection of; cloning, sequence, expression and  
 therapeutic use of human DNA topoisomerase I  $\alpha$ )

IT 172929-66-7DP, fusion products  
 RL: BPN (Biosynthetic preparation); BUU (Biological use, unclassified);  
 PRP (Properties); THU (Therapeutic use); BIOL (Biological  
 study); PREP (Preparation); USES (Uses)  
 (cloning, sequence, expression and therapeutic use of human DNA  
 topoisomerase I  $\alpha$ )

IT 172929-66-7D, subfragments are claimed  
 RL: BUU (Biological use, unclassified); PRP (Properties); THU  
 (Therapeutic use); BIOL (Biological study); USES (Uses)  
 (cloning, sequence, expression and therapeutic use of human DNA  
 topoisomerase I  $\alpha$ )

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	3.99	107.84
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-0.75	-0.75

STN INTERNATIONAL LOGOFF AT 14:19:15 ON 21 SEP 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	4	MAY 10	CA/CAPLUS enhanced with 1900-1906 U.S. patent records
NEWS	5	MAY 11	KOREAPAT updates resume
NEWS	6	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	7	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAPLUS and USPATFULL/USPAT2
NEWS	8	MAY 30	The F-Term thesaurus is now available in CA/CAPLUS
NEWS	9	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS	10	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS	11	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS	12	JUL 11	CHEMSAFE reloaded and enhanced
NEWS	13	JUL 14	FSTA enhanced with Japanese patents
NEWS	14	JUL 19	Coverage of Research Disclosure reinstated in DWPI
NEWS	15	AUG 09	INSPEC enhanced with 1898-1968 archive
NEWS	16	AUG 28	ADISCTI Reloaded and Enhanced
NEWS	17	AUG 30	CA(SM)/CAPLUS(SM) Austrian patent law changes
NEWS	18	SEP 11	CA/CAPLUS enhanced with more pre-1907 records
NEWS	19	SEP 21	CA/CAPLUS fields enhanced with simultaneous left and right truncation



NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS STN Operating Hours Plus Help Desk Availability  
NEWS LOGIN Welcome Banner and News Items  
NEWS IPC8 For general information regarding STN implementation of IPC 8  
NEWS X25 X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 14:24:08 ON 21 SEP 2006

=> file reg		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 14:24:20 ON 21 SEP 2006  
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STRUCTURE FILE UPDATES: 20 SEP 2006 HIGHEST RN 908067-83-4  
DICTIONARY FILE UPDATES: 20 SEP 2006 HIGHEST RN 908067-83-4

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predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s gccca/sqsl  
'SQL' IS NOT A VALID FIELD CODE  
L1 0 GCCA/SQSL

=> s gccca/sqsp  
L2 3545 GCCA/SQSP

=> file caplus  
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
28.89	29.10

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 14:24:55 ON 21 SEP 2006  
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FILE COVERS 1907 - 21 Sep 2006 VOL 145 ISS 13  
FILE LAST UPDATED: 20 Sep 2006 (20060920/ED)

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=> s l2/thu  
1154 L2  
813486 THU/RL  
L3 252 L2/THU  
(L2 (L) THU/RL)

=> s l3 and infection  
261756 INFECTION  
76137 INFECTIONS  
298734 INFECTION  
(INFECTION OR INFECTIONS)  
L4 35 L3 AND INFECTION

=> s l4 not py>2001  
5339150 PY>2001  
L5 4 L4 NOT PY>2001

=> d ibib 1-4

L5 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2000:774011 CAPLUS  
DOCUMENT NUMBER: 133:345597  
TITLE: Cloning of trypanosome ADP ribosylation factor ARF-1  
cDNA and its use to inhibit trypanosome growth for the  
prevention and treatment of trypanosomosis  
INVENTOR(S): Olijhoek, Antonius J. M.  
PATENT ASSIGNEE(S): Stichting Dienst Landbouwkundig Onderzoek, Neth.;  
International Livestock Research Institute ( Ilri)  
SOURCE: Eur. Pat. Appl., 37 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1048728	A1	20001102	EP 1999-201300	19990426
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRIORITY APPLN. INFO.:			EP 1999-201300	19990426

L5 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1999:21631 CAPLUS  
 DOCUMENT NUMBER: 130:77966  
 TITLE: sequence and therapeutic applications for human s-adenosyl-5-homocysteine hydrolase derived from bladder  
 INVENTOR(S): Hillman, Jennifer L.; Corley, Neil C.; Lal, Preeti; Shah, Purvi  
 PATENT ASSIGNEE(S): Incyte Pharmaceuticals, Inc., USA  
 SOURCE: U.S., 40 pp.  
 CODEN: USXXAM  
 DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5854023	A	19981229	US 1997-896005	19970717
PRIORITY APPLN. INFO.:			US 1997-896005	19970717
REFERENCE COUNT:	23	THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L5 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1998:268618 CAPLUS  
 DOCUMENT NUMBER: 128:320570  
 TITLE: Molecular cloning of a novel human CC chemokine LARC (liver and activation-regulated chemokine) and clinical use of LARC  
 INVENTOR(S): Nomiyama, Hisayuki; Imai, Toshio; Yoshie, Osamu  
 PATENT ASSIGNEE(S): Shionogi & Co., Ltd., Japan  
 SOURCE: PCT Int. Appl., 52 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent  
 LANGUAGE: Japanese  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9817800	A1	19980430	WO 1997-JP2557	19970724
W: JP, US				
PRIORITY APPLN. INFO.:			JP 1996-274998	A 19961017
			JP 1997-18038	A 19970131
REFERENCE COUNT:	9	THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

L5 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
 ACCESSION NUMBER: 1997:679205 CAPLUS  
 DOCUMENT NUMBER: 127:355960  
 TITLE: Nucleic acid and amino acid sequences relating to Helicobacter pylori and vaccine compositions  
 INVENTOR(S): Smith, Douglas; Alm, Richard A.  
 PATENT ASSIGNEE(S): Astra AB, Swed.; Smith, Douglas; Alm, Richard A.  
 SOURCE: PCT Int. Appl., 1144 pp.  
 CODEN: PIXXD2  
 DOCUMENT TYPE: Patent

LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9737044	A1	19971009	WO 1997-US5223	19970327
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, US, US, US, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2248985	AA	19971009	CA 1997-2248985	19970327
AU 9725984	A1	19971022	AU 1997-25984	19970327
AU 726892	B2	20001123		
ZA 9702715	A	19980625	ZA 1997-2715	19970327
EP 901530	A1	19990317	EP 1997-917731	19970327
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CN 1220703	A	19990623	CN 1997-195113	19970327
BR 9708456	A	19990803	BR 1997-8456	19970327
JP 2000501621	T2	20000215	JP 1997-529649	19970327
NZ 332565	A	20000327	NZ 1997-332565	19970327
NO 9804517	A	19981125	NO 1998-4517	19980928
PRIORITY APPLN. INFO.:				US 1996-625811 A2 19960329
				US 1996-758731 A2 19960402
				US 1996-736905 A2 19961025
				US 1996-738859 A2 19961028
				US 1996-761318 A2 19961206
				WO 1997-US5223 W 19970327

=> d ibib kwic 1-4

L5 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN  
ACCESSION NUMBER: 2000:774011 CAPLUS  
DOCUMENT NUMBER: 133:345597  
TITLE: Cloning of trypanosome ADP ribosylation factor ARF-1 cDNA and its use to inhibit trypanosome growth for the prevention and treatment of trypanosomiasis  
INVENTOR(S): Olijhoek, Antonius J. M.  
PATENT ASSIGNEE(S): Stichting Dienst Landbouwkundig Onderzoek, Neth.; International Livestock Research Institute ( Ilri)  
SOURCE: Eur. Pat. Appl., 37 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1048728	A1	20001102	EP 1999-201300	19990426
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
PRIORITY APPLN. INFO.:			EP 1999-201300	19990426
IT Infection (trypanosomiasis; cloning of trypanosome ADP ribosylation factor ARF-1 cDNA and its use to inhibit trypanosome growth for prevention and treatment of trypanosomiasis)				
IT 304489-99-4P				

RL: BPN (Biosynthetic preparation); BSU (Biological study, unclassified);  
PRP (Properties); THU (Therapeutic use); BIOL (Biological  
study); PREP (Preparation); USES (Uses)  
(amino acid sequence; cloning of trypanosome ADP ribosylation factor  
ARF-1 cDNA and its use to inhibit trypanosome growth for prevention and  
treatment of trypanosomosis)

L5 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1999:21631 CAPLUS  
DOCUMENT NUMBER: 130:77966  
TITLE: sequence and therapeutic applications for human  
s-adenosyl-5-homocysteine hydrolase derived from  
bladder  
INVENTOR(S): Hillman, Jennifer L.; Corley, Neil C.; Lal, Preeti;  
Shah, Purvi  
PATENT ASSIGNEE(S): Incyte Pharmaceuticals, Inc., USA  
SOURCE: U.S., 40 pp.  
CODEN: USXXAM  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5854023	A	19981229	US 1997-896005	19970717
PRIORITY APPLN. INFO.:			US 1997-896005	19970717
REFERENCE COUNT:	23	THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

AB The invention provides a human S-adenosyl-5-homocysteine hydrolase (SAHH)  
and polynucleotides which identify and encode SAHH. The invention also  
provides expression vectors, host cells, agonists, antibodies and  
antagonists. The invention also provides methods for treating disorders  
associated with expression of SAHH including infection, neoplastic  
disorders and disorders of the immune system.

IT Infection  
Neoplasm  
(diagnosis and treatment for; sequence and therapeutic applications for  
human s-adenosyl-5-homocysteine hydrolase derived from bladder)

IT 218780-80-4  
RL: BSU (Biological study, unclassified); PRP (Properties); THU  
(Therapeutic use); BIOL (Biological study); USES (Uses)  
(amino acid sequence; sequence and therapeutic applications for human  
s-adenosyl-5-homocysteine hydrolase derived from bladder)

L5 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1998:268618 CAPLUS  
DOCUMENT NUMBER: 128:320570  
TITLE: Molecular cloning of a novel human CC chemokine LARC  
(liver and activation-regulated chemokine) and  
clinical use of LARC  
INVENTOR(S): Nomiyama, Hisayuki; Imai, Toshio; Yoshie, Osamu  
PATENT ASSIGNEE(S): Shionogi & Co., Ltd., Japan  
SOURCE: PCT Int. Appl., 52 pp.  
CODEN: PIXXD2  
DOCUMENT TYPE: Patent  
LANGUAGE: Japanese  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9817800	A1	19980430	WO 1997-JP2557	19970724
W.: JP, US				

## PRIORITY APPLN. INFO.:

JP 1996-274998

A 19961017

JP 1997-18038

A 19970131

## REFERENCE COUNT:

9

THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS  
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMATST human cDNA sequence CC chemokine LARC; infection inflammation  
LARC chemokineIT Infection  
Inflammation(diagnosis and treatment of; mol. cloning of a novel human CC chemokine  
LARC (liver and activation-regulated chemokine) and clin. use of LARC)IT 177404-39-6, DNA (human chemokine  $\beta$ -4 cDNA) 206455-87-0RL: BOC (Biological occurrence); BSU (Biological study, unclassified); PRP  
(Properties); THU (Therapeutic use); BIOL (Biological study);

OCCU (Occurrence); USES (Uses)

(nucleotide sequence; mol. cloning of a novel human CC chemokine LARC  
(liver and activation-regulated chemokine) and clin. use of LARC)

L5 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1997:679205 CAPLUS

DOCUMENT NUMBER: 127:355960

TITLE: Nucleic acid and amino acid sequences relating to  
Helicobacter pylori and vaccine compositions

INVENTOR(S): Smith, Douglas; Alm, Richard A.

PATENT ASSIGNEE(S): Astra AB, Swed.; Smith, Douglas; Alm, Richard A.

SOURCE: PCT Int. Appl., 1144 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

## PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9737044	A1	19971009	WO 1997-US5223	19970327
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, US, US, US, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2248985	AA	19971009	CA 1997-2248985	19970327
AU 9725984	A1	19971022	AU 1997-25984	19970327
AU 726892	B2	20001123		
ZA 9702715	A	19980625	ZA 1997-2715	19970327
EP 901530	A1	19990317	EP 1997-917731	19970327
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CN 1220703	A	19990623	CN 1997-195113	19970327
BR 9708456	A	19990803	BR 1997-8456	19970327
JP 2000501621	T2	20000215	JP 1997-529649	19970327
NZ 332565	A	20000327	NZ 1997-332565	19970327
NO 9804517	A	19981125	NO 1998-4517	19980928

## PRIORITY APPLN. INFO.:

US 1996-625811

A2 19960329

US 1996-758731

A2 19960402

US 1996-736905

A2 19961025

US 1996-738859

A2 19961028

US 1996-761318

A2 19961206

WO 1997-US5223

W 19970327

AB Recombinant or substantially pure preps. of polypeptides and their  
encoding nucleic acids are described which may be useful for diagnostic  
and vaccine compns. for Helicobacter pylori infection. Thus, H.  
pylori chromosomal DNA was isolated by a standard DNA protocol, nebulized,

purified, and sequenced using the multiplex DNA sequencing based on chemical degradation methods. A gene expression system, such as the pET-28b vector system, was selected for cloning and expression of recombinant protein in *Escherichia coli*. Selection of candidate protein antigens for vaccine development are derived from the nucleic acid sequences by analyzing the open reading frames (ORFs) for homol. to other known exported or membrane proteins and using discriminant anal. for predicting exported and membrane proteins. ORF amino acid sequences identified as exported or membrane-associated by the discriminant anal. algorithm are likely protein antigens for vaccine development. Thus, 546 nucleic acid sequences and their derived ORF amino acid sequences are provided. Gene knockout techniques using oligonucleotide primers for cloning, deletion, and targeting are also provided to identify nucleic acids that encode proteins essential for growth or viability, and thereby are preferred drug targets. Strain variation anal. provides nucleic acids, including probes, and peptide and polypeptide sequences that are common to all *H. pylori* strains but are not found in other bacterial species. Cloning, purifn, and characterization of the genes encoding peptidyl-prolyl cis-trans isomerase (ppi) and glutamate racemase (mirI) are described in detail as specific examples, and glutamate racemase activity can be applied in high throughput drug screening assays.

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RL: BPN (Biosynthetic preparation); PRP (Properties); THU  
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES  
(Uses)

(amino acid sequence; nucleic acid and amino acid sequences relating to  
Helicobacter pylori and vaccine compns.)

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E1 THROUGH E5 ASSIGNED

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COST IN U.S. DOLLARS

SINCE FILE	TOTAL
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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE	TOTAL
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-1.50	-1.50

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DICTIONARY FILE UPDATES: 20 SEP 2006 HIGHEST RN 908067-83-4

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on property searching in REGISTRY, refer to:

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1 187132-18-9/BI  
(187132-18-9/RN)  
1 206455-87-0/BI  
(206455-87-0/RN)  
1 207004-67-9/BI  
(207004-67-9/RN)

L6 5 (177404-38-5/BI OR 177404-39-6/BI OR 187132-18-9/BI OR 206455-87



-0/BI OR 207004-67-9/BI)

=> s l6 and l1  
L7 0 L6 AND L1

=> d his

(FILE 'HOME' ENTERED AT 14:24:08 ON 21 SEP 2006)

FILE 'REGISTRY' ENTERED AT 14:24:20 ON 21 SEP 2006

L1 0 S GCCA/SQSL  
L2 3545 S GCCA/SQSP

FILE 'CAPLUS' ENTERED AT 14:24:55 ON 21 SEP 2006

L3 252 S L2/THU  
L4 35 S L3 AND INFECTION  
L5 4 S L4 NOT PY>2001  
SEL RN 3

FILE 'REGISTRY' ENTERED AT 14:26:50 ON 21 SEP 2006

L6 5 S E1-E5  
L7 0 S L6 AND L1

=> s l6 and l2  
L8 1 L6 AND L2

=> d rn sql seq

L8 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 206455-87-0 REGISTRY  
SQL 213

SEQ 1 GCAAGCAACT TTGACTGCTG TCTTGGATAC ACAGACCGTA TTCTTCATCC  
51 TAAATTTATT GTGGGCTTCA CACGGCAGCT GGCCAATGAA GGCTGTGACA  
=====

101 TCAATGCTAT CATCTTTCAC ACAAAGAAAA AGTTGTCTGT GTGCGCAAAT  
151 CCAAAACAGA CTTGGGTGAA ATATATTGTG CGTCTCCTCA GTAAAAAAGT  
201 CAAGAACATG TAA

HITS AT: 82-85

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	6.93	56.98
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	0.00	-1.50

FILE 'CAPLUS' ENTERED AT 14:28:23 ON 21 SEP 2006  
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FILE COVERS 1907 - 21 Sep 2006 VOL 145 ISS 13  
FILE LAST UPDATED: 20 Sep 2006 (20060920/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.  
They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> d his \*

(FILE 'HOME' ENTERED AT 14:24:08 ON 21 SEP 2006)

FILE 'REGISTRY' ENTERED AT 14:24:20 ON 21 SEP 2006

L1 0 S GCCA/SQSL  
L2 3545 S GCCA/SQSP

FILE 'CAPLUS' ENTERED AT 14:24:55 ON 21 SEP 2006

L3 252 S L2/THU  
L4 35 S L3 AND INFECTION  
L5 4 S L4 NOT PY>2001  
SEL RN 3

FILE 'REGISTRY' ENTERED AT 14:26:50 ON 21 SEP 2006

L6 5 S E1-E5  
L7 0 S L6 AND L1  
L8 1 S L6 AND L2

FILE 'CAPLUS' ENTERED AT 14:28:23 ON 21 SEP 2006

=> sel rn 15 2  
E6 THROUGH E10 ASSIGNED

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.54	57.52
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.50

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Property values tagged with IC are from the ZIC/VINITI data file  
provided by InfoChem.

STRUCTURE FILE UPDATES: 20 SEP 2006 HIGHEST RN 908067-83-4  
DICTIONARY FILE UPDATES: 20 SEP 2006 HIGHEST RN 908067-83-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

Effective September 24, 2006, Concord 3D coordinates will no longer  
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(<http://www.cas.org/supp.html>) if you have a need for 3D coordinates.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s e6-e10

```
1 151-21-3/BI
  (151-21-3/RN)
1 218780-80-4/BI
  (218780-80-4/RN)
1 218780-81-5/BI
  (218780-81-5/RN)
1 9025-54-1/BI
  (9025-54-1/RN)
1 994-36-5/BI
  (994-36-5/RN)
```

L9 5 (151-21-3/BI OR 218780-80-4/BI OR 218780-81-5/BI OR 9025-54-1/BI  
OR 994-36-5/BI)

=> s l9 and l2

L10 1 L9 AND L2

=> d rn sql seq

L10 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 218780-80-4 REGISTRY  
SQL 500

```
SEQ      1 MATVTKAPKK QIQFADDMQE FTKFPTKTGR RSLRSISQS STDSYSSAAS
      51 YTDSSDDEVS PREKQQTNSK GSSNFCVKNI KQAEFGRREI EIAEQDMSAL
     101 ISLRKRAQGE KPLAGAKIVG CTHITAQTAV LIETLCALGA QCRWSACNIY
     151 STQNEVAAAL AEAGVAVFAW KGESEDDFWW CIDRCVNMDG WQANMILDDG
     201 GDLTHWVCKK YPNVFKKIRG IVEESVTGVH RLYQLSKAGK LCVPMNVND
     251 SVTKQKFDNL YCCRÉSILDG LKRTTDMVFG GKQVVVCGYG EVGKGCCAAL
                                     =====
     301 KALGAIVYIT EIDPICALQA CMDGFRVVKL NEVIRQVDVV ITCTGNKNVV
     351 TREHLDRMKN SCIVCNMGHS NTEIDVTSR TPETLWVERV SQVDHVIWPD
     401 GKRVLVLAEG RLLNLSCSTV PTFVLSITAT TQALALIELY NAPEGRYKQD
     451 VYLLPKKME YVASLHLPSF DAHLTELTDD QAKYLGLNKN GPFKPNYYRY
HITS AT: 295-298
```

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y